**Exercise 01**

Create 2 variables name x & y and assign them the values of 6 and 4 respectively. Then display the sum, multiplication, division and subtraction in the following format.

Sum: 10

Difference: 2

Product: 24

Division: 1.5

<?php

$x = 6;

$y = 4;

$sum = $x + $y;

$difference = $x - $y;

$product = $x \* $y;

$division = $x / $y;

echo "Sum: " . $sum ."<br>";

echo "Difference: " . $difference ."<br>";

echo "Product: " . $product ."<br>";

echo "Division: " . $division;

?>

**Exercise 02**

Write a Program to display count, from 5 to 15 using PHP loop.

<?php

for ($i = 5; $i <= 15; $i++)

{

echo $i . "\n";

}

?>

**Exercise 03**

You need to write a PHP program to calculate electricity bill using if-else conditions

Conditions:

* + For first 0-50 units – Rs. 3.50/unit
  + From 51-100 units – Rs. 4.00/unit
  + From 101 -150 units – Rs. 5.20/unit
  + For units above 151 – Rs. 6.50/unit

You can use conditional statements.

<?php

function calculateElectricityBill($units)

{

if ($units <= 50)

{

$billAmount = $units \* 3.50;

}

elseif ($units <= 100)

{

$billAmount = 50 \* 3.50 + ($units - 50) \* 4.00;

}

elseif ($units <= 150)

{

$billAmount = 50 \* 3.50 + 50 \* 4.00 + ($units - 100) \* 5.20;

}

else

{

$billAmount = 50 \* 3.50 + 50 \* 4.00 + 50 \* 5.20 + ($units - 150) \* 6.50;

}

return $billAmount;

}

$unitsConsumed = 180;

$electricityBill = calculateElectricityBill($unitsConsumed);

echo "Units Consumed: " . $unitsConsumed . "<br>";

echo "Electricity Bill: Rs. " . $electricityBill;

?>

**Exercise 04**

Write a program to show day of the week (example: Monday) based on numbers using switch-case statements.

Conditions:

* You can pass 1 to 7 number in switch.
* Day 1 will be considered as Monday.
* If number is not between 1 to 7, show invalid number in default.

<?php

function daysOfWeek($number)

{

switch ($number) {

case 1:

return "Monday";

case 2:

return "Tuesday";

case 3:

return "Wednesday";

case 4:

return "Thursday";

case 5:

return "Friday";

case 6:

return "Saturday";

case 7:

return "Sunday";

default:

return "Invalid number";

}

}

$number = 3;

$daysOfWeek = daysOfWeek($number);

echo "Number: " . $number . "<br>";

echo "Days of the Week: " . $daysOfWeek . "<br>";

?>

**Exercise 05**

Create an array called ‘fruits’ using php and print each element of the array using a foreach loop.

<?php

$fruits = array ("Mango", "Apple", "Grapes", "Banana", "Orange");

foreach ($fruits as $fruit)

{

echo $fruit . "<br>";

}

?>